

## Declaration for Utility Patent Application

As a below-named inventor, I hereby declare that my residence, post office address, and citizenship are as stated below next to my name and that I believe that I am the original, first, and sole inventor [if only one name is listed below] or an original, first, and joint inventor [if plural names are listed below] of the subject matter which is claimed and for which a patent is sought on the invention, the specification of which is attached hereto and which has the following title:

### **"METHOD AND DEVICE FOR COUNTING AND MEASURING PARTICLES"**

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration. I acknowledge a duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, Section 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Please send correspondence and make telephone calls to the Inventor below.

  
Signature

ALEKSANDR L. YUFA  
Name

June 26, 1997  
Date

Residence: 698 CYPRESS AVE.,  
COLTON, CA. 92324 -1952

Phone/Fax: (909) 370-4454

Citizen of: U.S.A.

Post Office  
Address: P.O. BOX 1677  
COLTON, CA. 92324

**In the United States Patent and Trademark Office**

Sole Applicant: **ALEKSANDR L. YUFA**  
Other Applicant(s): **N/A**  
Title: **"METHOD AND DEVICE FOR COUNTING AND MEASURING  
PARTICLES"**

**Small Entity Declaration - Independent Inventor(s)**

As a below-named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under Section 41(a) and (b) of Title 35 United States Code, to the Patent and Trademark Office with regard to my above-identified invention described in the specification filed herewith. I have not assigned, granted, conveyed, or licensed and am under no obligation under any contract or law to assign, grant, convey, or license any rights in the invention to either (a) any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or (b) any concern which would not qualify as either (i) a small business concern under 37 CFR 1.9(d) or (ii) a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

( ) There is no such person, concern, or organization.  
( ) Any applicable person, concern, or organization is listed below:

Full Name: **N/A**  
Address: **N/A**

I acknowledge a duty to file, in the above application for patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

  
Signature

ALEKSANDR L. YUFA      Name

June 26, 1997      Date

In the United States Patent and Trademark Office

Serial Number:

Appn. Filed:

Applicant(s): ALEKSANDR L. YUFA

Appn. Title: "METHOD AND DEVICE FOR COUNTING AND MEASURING  
PARTICLES"

Examiner:

Group Art Unit:

Mailed: June 27, 1997

At: COLTON, CALIFORNIA

**Declaration In Support of Accompanying Petition to Make Special  
Reason V -- Enhancement of Environment Quality**

In support of the accompanying Petition to Make Special, applicant declares as follows:

1. I am the applicant in the above-identified patent application.
2. The invention of the above application will materially enhance the quality of the environment of humankind by contributing to the restoration or maintenance of the basic life-sustaining natural elements of air and water in the manner described below.
3. Specifically, the invention of the above application is an improved particle measurer and counter. It provides a more efficient, correct and sensitive counting and measuring of the particles in the air (interrupted air flow tubing trace) or water contamination (uninterrupted water /liquid/ flow tubing trace) composition. By an improved method, an improved device is able to measure and count the particulates with Sensitivity essentially less than 0.1 Micron rate in comparison with the now existing devices, which by the made Patent Search [ the Patent Search (Special Procedure) - Information Disclosure Statement /IDS/ was made and sent together with Application - see Transmittal Letter from 01.02.97. The IDS includes Form-1449 -10 pages, the Depth of the Patent Search - 8 pages. The Patent Search was made for the USA (27 yrs.) and for five /5/ leading countries: Japan (24 yrs.), Great Britain (14 yrs.), Germany (17 yrs.), Russia (25 yrs.), France (25 yrs.). For the invention of the above application: U.S. Cl. - 356/336 ( Int. Cl. - G01N 15/02), Subclass - 356/343 ( Int. Cl. - G01N 21/00), Field of Search: 356/335-343; 356/73, 246, 301, 39, 317, 318, 244, 37, 397, 436, 440-442; 250/218, 573-576, 227.11, 435, 222.2, 564; 117/65; 313/323; 88/14; 377/10, 11, 53; 372/33, 34; 73/28.01; 364/555. The Patent Search was made by Dr. Aleksandr L. Yufa (Ph.D. degree in Electronics and M.S. degree in Engineering), having twenty four /24/ foreign Patents with self-Patent Search ], Analysis and Calculation have the Sensitivity usually not exceeding 0.1 Micron rate.
4. By more efficient and authentical counting and measuring the contamination (particles) in the drinking water, can be prevented such tragedies as it was in Milwaukee in 1993 (the some information about it is attached to this Declaration).

5. I further declare that all statements made herein of my own knowledge are true and that all statements made upon information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application and any patent issuing therefrom.

Attachment: Information was received on Internet - 1 page.

Very respectfully,



Signature

ALEKSANDR L. YUFA  
Name

June 26, 1997  
Date

Residence:

698 CYPRESS AVE.,  
COLTON, CA. 92324-1952  
Phone / Fax: (909) 370-4454

Correspondence Address:

P.O. BOX 1677  
COLTON, CA. 92324

03884620 - 03822702

96/01/30--U.S. v Pacific Scientific Company, Complaint  
UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF COLUMBIA

UNITED STATES OF AMERICA,  
Plaintiff,  
v.  
PACIFIC SCIENTIFIC COMPANY,  
Defendant.

Civil Action No.:

COMPLAINT

The United States of America, acting under the direction of the Attorney General of the United States, brings this civil action to obtain equitable and other relief against the defendant and alleges as follows:

1. The United States brings this antitrust case against the acquisition by Pacific Scientific Company ("Pacific Scientific") of all the outstanding shares of Met One, Inc. ("Met One").

2. Pacific Scientific and Met One compete vigorously in the manufacture and sale of drinking water particle counters; they are the leading competitors in this market. Drinking water particle counters are used by municipal water authorities to protect against contamination of public drinking water supplies by potentially deadly microorganisms. In 1993, 8 people in Milwaukee died as a result of drinking water contamination by one such microorganism -- Cryptosporidium. At the time of that tragedy, Milwaukee had not installed drinking water particle counters. Since

1993, Milwaukee has installed drinking water particle counters.

3. If the combination of these two drinking water particle counter manufacturers were permitted, competition to sell drinking water particle counters to large and small municipalities throughout the United States would be reduced substantially or eliminated. Municipalities likely would face higher prices and receive lower levels of quality and service.